

Claims

1. Insole (2) for shoes designed as a disposable product having a thickness of at most 3 mm and with a liquid absorbing non-woven fiber layer including or based on cellulose fiber material, characterized in that the sole is made from one single wad fleece layer (4) having a cellulose-type fiber material with at least 25 % per weight of heat meltable binding fibers, the layer being strengthened by calendar embossment and having highly compressed regions with high density of embossments (9) as well as regions (10) of less embossment density.
2. Insole according to claim 1, characterized in that its thickness is 1 - 3 mm, in particular 1 - 2 mm.
3. Insole according to claim 1, characterized in that its density is 0.1-0.5 g/cm³, in particular 0.2-0.3 g/cm³.
4. Insole according to any one of the preceding claims, characterized in that the highly compressed embossed regions (9) correspond to a fraction of 8 - 20 % of the surface of the fiber fleece layer (4).
5. Insole according to any one of the preceding claims, characterized in that the highly compressed embossed regions (9) have a depth of at least 0.5 mm and a smallest dimension in the planar direction of 0.3 - 0.6 mm.

6. Insole according to any one of the preceding claims, characterized in that the maximum tensile force of the wad fleece web (4) in the dry state and in the longitudinal direction assumes values of 35-100 N/25 mm and of 40-100 N/25 mm in the transverse direction.
7. Insole according to any one of the preceding claims, characterized in that the maximum tensile pressure of the wad fleece web (4) in the moisten state assumes values of 20-100 N/25 mm in the longitudinal direction and of 30-80 N/25 mm in the transverse direction.
8. Insole according to any one of the preceding claims, characterized in that it has a water retention or acceptance capacity of 1-4 g liquid per g of fiber fleece layer.
9. Insole according to any one of the preceding claims, characterized in that it has an internal strength of $> 170 \text{ N/25 cm}^2$, preferentially of $> 180 \text{ N/25 mm}^2$.
10. Insole according to any one of the preceding claims, characterized in that the wad fleece layer (4) includes cotton fibers.
11. Insole according to any one of the preceding claims, characterized in that it has heat meltable binding fibers, in particular multi-component fibers, polyethylene (PE) and/or polypropylene (PP) and/or polyester (PES).

12. Insole according to any one of the preceding claims, characterized in that it is provided with island shaped or linear shaped slippage prevention means (14) on the lower side (12) of the insole (2) facing the insole of a shoe in the state of use.
13. Insole according to claim 12, characterized in that the slippage prevention means (14) have a maximum size of at most 1.5 mm, in particular of at most 1 mm.